

SERIAL NO: 08/947,080  
DATE: 3/1/99

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((433/6 /cor) OR (433/6 /cxr)) and (intermediate OR stages OR increment?)

5,865,619 Feb. 2, 1999 Triple composite performance enhancing dental appliance Henry  
D. Cross, III, et al. \*\*\*433/6\*\*\*  
5,816,799 Oct. 6, 1998 Intraoral orthopedic appliance adjustment apparatus Jonathan A.  
Parker \*\*\*433/6\*\*\* ; 128/848, 861; 433/19  
5,794,627 Aug. 18, 1998 Disposable mandibular advancement appliance Don E. Frantz, et  
al. 128/848, 859; \*\*\*433/6\*\*\* ; 602/902  
5,785,520 Jul. 28, 1998 Orthodontic distalizing apparatus Aldo Carano, et al. 433/7,  
\*\*\*6\*\*\* , 18  
5,774,425 Jun. 30, 1998 Time monitoring appliance Andre Ivanov, et al. 368/11,  
113; 374/102; \*\*\*433/6\*\*\*  
5,718,575 Feb. 17, 1998 Adjustable, customizable performance enhancing dental appliance  
Henry D. Cross III, \*\*\*433/6\*\*\*  
5,692,894 Dec. 2, 1997 Thermoformed plastic dental retainer and method of construction  
Dann A. Schwartz, et al. \*\*\*433/6\*\*\*  
5,683,244 Nov. 4, 1997 Dental appliance to correct malocclusion Lloyd H. Truax  
\*\*\*433/6\*\*\* , 24  
5,681,164 Oct. 28, 1997 Orthodontic appliance Neville Meyer Bass \*\*\*433/6\*\*\* ;  
5/7, 17; 433/7, 17  
5,645,421 Jul. 8, 1997 Orthodontic appliance debonder Gary Lee Slootsky  
\*\*\*433/6\*\*\* , 2, 3  
5,645,420 Jul. 8, 1997 Multi-racial preformed orthodontic treatment appliance Earl O.  
Bergersen \*\*\*433/6\*\*\*  
5,607,300 Mar. 4, 1997 Removable resilient orthodontic retainer Harry W. Tepper  
\*\*\*433/6\*\*\* , 24  
5,409,017 Apr. 25, 1995 Mandible repositioning appliance Alan A. Lowe 128/848, 859;  
\*\*\*433/6\*\*\*  
5,376,001 Dec. 27, 1994 Removable orthodontic appliance Harry W. Tepper \*\*\*433/6\*\*\*  
5,365,945 Nov. 22, 1994 Adjustable dental appliance for treatment of snoring and obstructive  
sleep apnea Leonard W. Halstrom 128/848, 859; \*\*\*433/6\*\*\*  
5,320,114 Jun. 14, 1994 Boiling and stabilization tray for mouthguards Jon D. Kittelsen,  
et al. 128/861; \*\*\*433/6\*\*\*  
5,245,592 Sep. 14, 1993 Wearing time measuring device for a removable medical apparatus  
Dietmar Kuemmel, et al. 368/107, 10, 90, 202; 433/5, \*\*\*6\*\*\*  
5,186,623 Feb. 16, 1993 Orthodontic finishing positioner and method of construction Peter R.  
Breads, et al. \*\*\*433/6\*\*\* , 24, 214  
5,145,364 Sep. 8, 1992 Removable orthodontic appliance Martin G. Martz, et al.  
\*\*\*433/6\*\*\* , 18  
5,096,416 Mar. 17, 1992 Orthodontic retainer Jan H. Hulsink \*\*\*433/6\*\*\*  
5,067,896 Nov. 26, 1991 Orthodontic appliance Marcel Korn \*\*\*433/6\*\*\* , 24  
5,059,118 Oct. 22, 1991 Orthodontic finishing positioner and method of construction Peter R.  
Breads, et al. \*\*\*433/6\*\*\* , 24  
4,986,751 Jan. 22, 1991 Infant guidance pacifier appliance Earl O. Bergersen \*\*\*433/6\*\*\*  
4,976,614 Dec. 11, 1990 Removable orthodontic appliance Harry W. Tepper 433/18, \*\*\*6\*\*\*  
, 20, 21  
4,856,991 Aug. 15, 1989 Orthodontic finishing positioner and method of construction Peter R.  
Breads, et al. \*\*\*433/6\*\*\* , 24  
4,810,192 Mar. 7, 1989 Two-stage intra-oral protective system Edward D. Williams  
\*\*\*433/6\*\*\*

4,793,803	Dec. 27, 1988	Removable tooth positioning appliance and method	Martin G. Martz
***433/6***			
4,773,853	Sep. 27, 1988	Oral orthopedic appliance	Leon Kussick ***433/6***
4,690,640	Sep. 1, 1987	Oral vestibule plate for prophylactic purposes and early orthodontic treatment	Relf Hinz ***433/6***
4,676,745	Jun. 30, 1987	Orthodontic appliance	Victor M. Zurita ***433/6*** , 7, 18, 21
4,568,280	Feb. 4, 1986	Cranio-mandibular appliance	Jeffrey H. Ahlin ***433/6***
4,526,540	Jul. 2, 1985	Orthodontic apparatus and method for treating malocclusion	Eugene L. Dellinger 433/24, ***6***
4,505,673	Mar. 19, 1985	Orthodontic treating device and method of manufacturing same	Osamu Yoshii ***433/6***
4,505,672	Mar. 19, 1985	Two-piece gnathologic orthodontic positioner	Craven H. Kurz ***433/6***
4,504,225	Mar. 12, 1985	Orthodontic treating device and method of manufacturing same	Osamu Yoshii ***433/6***
4,480,994	Nov. 6, 1984	Orthodontic occlusion prevention system	Carl S. Hoffman ***433/6***
4,457,708	Jul. 3, 1984	Mandibular stabilizer	Gerald Dufour ***433/6***
4,431,411	Feb. 14, 1984	Segmented labial bow with lip pads for aid in the correction of Class III malocclusions and malocclusions with underdeveloped maxillas	John W. Witzig, et al. ***433/6***
4,371,336	Feb. 1, 1983	Orthodontic positioner	Terry B. Hilleman ***433/6***
4,348,178	Sep. 7, 1982	Vibrational orthodontic appliance	Craven H. Kurz ***433/6*** , 5
4,273,530	Jun. 16, 1981	Orthodontic appliance and clasp therefor	Garfford J. Broussard ***433/6***
4,253,828	Mar. 3, 1981	Orthodontic appliance	Donna C. Coles, et al. ***433/6***
4,231,736	Nov. 4, 1980	Orthodontic screw-type device and method of making same	Frank Reilly ***433/6*** , 7
4,195,046	Mar. 25, 1980	Method for molding air holes into a tooth positioning and retaining appliance	Peter C. Kesling 264/16, 219, 222, 275, 313, 317, 334; ***433/6***
3,967,379	Jul. 6, 1976	Preformed anterior labial retainer	Earl O. Bergersen ***433/6*** , 24
3,950,851	Apr. 20, 1976	Orthodontic positioner and method for improving retention of tooth alignment therewith	Earl O. Bergersen ***433/6***
3,925,894	Dec. 16, 1975	Dual purpose tooth aligner	Lenford L. Robins ***433/6***
3,849,885	Nov. 26, 1974	TOOTH ALIGNER	Lenford L. Robins ***433/6***
3,848,335	Nov. 19, 1974	ORTHODONTIC APPLIANCE HAVING COOPERATION DETECTION CAPABILITY	Earl O. Bergersen ***433/6***
3,837,081	Sep. 24, 1974	PREFORMED TOOTH POSITIONING AND RETAINING APPLIANCE	Peter C. Kesling ***433/6***
3,724,075	Apr. 3, 1973	UNIVERSAL TOOTH POSITIONING AND RETAINING APPLIANCE	Peter C. Kesling ***433/6***

((433/24 /cor) OR (433/24 /cxr)) and (intermediate OR stages OR increment?)

5,836,878	Nov. 17, 1998	Head restraint method and apparatus for use in MRI	Bryan J. Mock, et al. 600/415; ***433/24*** ; 600/421
5,836,768	Nov. 17, 1998	Fastening device for fixing orthodontic apparatuses on a dental implant	Christoph Huskens, et al. 433/173, 8, ***24*** , 172
5,820,369	Oct. 13, 1998	Subperiosteal bone anchor	Bjarne Kvarnstrom, et al. 433/7, 18, ***24*** , 173
5,788,486	Aug. 4, 1998	Orthodontic device for correcting overbite and underbite	Lewis Klapper, et al. 433/19, 21, ***24***

5,769,630 Jun. 23, 1998 Subperiosteal bone anchor Joan M. Hoffman, et al. 433/7, 18,  
 \*\*\*24\*\*\* , 173; 623/16

5,697,782 Dec. 16, 1997 Orthodontic device and method for correcting overbite and underbite  
 Lewis Klapper, et al. 433/19, 21, \*\*\*24\*\*\*

5,697,781 Dec. 16, 1997 Functional regulating device and method for treating malocclusion  
 Bernhard H. Ellingson 433/18, 19, \*\*\*24\*\*\*

5,683,244 Nov. 4, 1997 Dental appliance to correct malocclusion Lloyd H. Truax 433/6,  
 \*\*\*24\*\*\*

5,683,243 Nov. 4, 1997 Custom orthodontic appliance forming apparatus Craig A.  
 Andreiko, et al. 433/3, \*\*\*24\*\*\*

5,607,300 Mar. 4, 1997 Removable resilient orthodontic retainer Harry W. Tepper 433/6,  
 \*\*\*24\*\*\*

5,588,833 Dec. 31, 1996 System of treatment for use in functional orthodontics Georg  
 Risse \*\*\*433/24\*\*\* , 8, 20

RE 35,169 Mar. 5, 1996 Method for determining orthodontic bracket placement Marc S.  
 Lemchen, et al. \*\*\*433/24\*\*\* , 229

5,474,448 Dec. 12, 1995 Low profile orthodontic appliance Craig A. Andreiko, et al.  
 \*\*\*433/24\*\*\* , 8

5,454,717 Oct. 3, 1995 Custom orthodontic brackets and bracket forming method and  
 apparatus Craig A. Andreiko, et al. \*\*\*433/24\*\*\*

5,447,432 Sep. 5, 1995 Custom orthodontic archwire forming method and apparatus Craig A.  
 Andreiko, et al. \*\*\*433/24\*\*\*

5,443,384 Aug. 22, 1995 Orthodontic assembly and method Steven A. Franseen, et al. 433/18,  
 19, \*\*\*24\*\*\*

5,439,378 Aug. 8, 1995 Orthodontic bracket assembly and method of installation Dwight  
 H. Damon 433/8, 9, 13, \*\*\*24\*\*\*

5,431,562 Jul. 11, 1995 Method and apparatus for designing and forming a custom orthodontic  
 appliance and for the straightening of teeth therewith Craig A. Andreiko, et al. \*\*\*433/24\*\*\*

5,399,088 Mar. 21, 1995 Orthodontic wire and method for the moving of teeth Michael E.  
 Mechley 433/20, \*\*\*24\*\*\*

5,374,187 Dec. 20, 1994 Orthodontic appliance Nikhil S. Vashi 433/8, 10, 17, \*\*\*24\*\*\*

5,368,478 Nov. 29, 1994 Method for forming jigs for custom placement of orthodontic  
 appliances on teeth Craig A. Andreiko, et al. \*\*\*433/24\*\*\* , 3

5,344,315 Sep. 6, 1994 Multi-strand orthodontic arch wires and methods for use thereof  
 G. Herbert Hanson 433/20, \*\*\*24\*\*\*

5,295,886 Mar. 22, 1994 Orthodontic archwire shaping method and archwire-segment forming  
 templates Alexander J. Wildman \*\*\*433/24\*\*\* , 20, 75

5,292,249 Mar. 8, 1994 Adjustable aligning reel and methods for aligning a tooth Daniel  
 S. German 433/22, 21, \*\*\*24\*\*\*

5,266,028 Nov. 30, 1993 Translingual orthodontic device and method of use for same Gregory  
 H. Adkisson 433/18, \*\*\*24\*\*\*

5,248,257 Sep. 28, 1993 Orthodontic bracket system James L. Cannon 433/14,  
 \*\*\*24\*\*\*

5,186,623 Feb. 16, 1993 Orthodontic finishing positioner and method of construction Peter R.  
 Breads, et al. 433/6, \*\*\*24\*\*\* , 214

5,176,515 Jan. 5, 1993 Dental treatment method and apparatus Lawrence F. Andrews  
 \*\*\*433/24\*\*\* , 54, 55, 56, 68, 73

5,169,311 Dec. 8, 1992 Orthodontic bracket and method Brian W. Lee 433/14,  
 \*\*\*24\*\*\*

5,158,452 Oct. 27, 1992 Orthodontic appliance mounting base Steven A. Franseen, et al.  
 433/9, \*\*\*24\*\*\*

5,102,333 Apr. 7, 1992 Orthodontic process for straightening teeth Yuichi Suzuki, et al.  
 \*\*\*433/24\*\*\* , 20

5,100,316 Mar. 31, 1992 Orthodontic archwire shaping method Alexander J. Wildman  
 \*\*\*433/24\*\*\* , 2

5,096,417 Mar. 17, 1992 Orthodontic visual enhancement method Michael H. Greenberg, et al. \*\*\*433/24\*\*\* , 9

5,082,442 Jan. 21, 1992 Dental crown analog for orthodontic anchorage David B. Rosen 433/17, \*\*\*24\*\*\* , 173, 218

5,080,588 Jan. 14, 1992 Surface finishing apparatus and method William J. O'Brien 433/165, \*\*\*24\*\*\* , 166, 223

5,071,345 Dec. 10, 1991 Dental crown analog for orthodontic anchorage David B. Rosen 433/17, \*\*\*24\*\*\* , 173

5,067,896 Nov. 26, 1991 Orthodontic appliance Marcel Korn 433/6, \*\*\*24\*\*\*

5,064,368 Nov. 12, 1991 Indexing device for placement of orthodontic brackets Joseph J. Lavin 433/2, \*\*\*24\*\*\* , 53, 55, 75, 213

5,059,118 Oct. 22, 1991 Orthodontic finishing positioner and method of construction Peter R. Breads, et al. 433/6, \*\*\*24\*\*\*

5,039,303 Aug. 13, 1991 Orthodontic process Jere Irwin \*\*\*433/24\*\*\* , 215

5,028,232 Jul. 2, 1991 Apparatus and method for calibrating physiologic dental occlusion and determining optimal individual orthodontic appliance prescription Michael D. Snow \*\*\*433/24\*\*\* , 68, 72

5,011,406 Apr. 30, 1991 Orthodontic setup and archwire fixing method Alexander J. Wildman \*\*\*433/24\*\*\* , 2

5,011,405 Apr. 30, 1991 Method for determining orthodontic bracket placement Marc S. Lemchen \*\*\*433/24\*\*\* , 229

4,909,735 Mar. 20, 1990 Straight line orthodontic setup method and apparatus Alexander J. Wildman \*\*\*433/24\*\*\* , 53

4,880,380 Nov. 14, 1989 Orthodonture appliance which may be manually installed and removed by the patient Martin G. Martz 433/11, 18, 22, \*\*\*24\*\*\*

4,869,667 Sep. 26, 1989 Hygienic magnetic eruptor Alexander D. Vardimon \*\*\*433/24\*\*\* , 18

4,856,991 Aug. 15, 1989 Orthodontic finishing positioner and method of construction Peter R. Breads, et al. 433/6, \*\*\*24\*\*\*

4,657,508 Apr. 14, 1987 Orthodontic apparatus and method for treating malocclusion Eugene L. Dellinger \*\*\*433/24\*\*\* , 9

4,609,350 Sep. 2, 1986 Lingual retainer and methods of manufacturing and bonding same Frank W. Krause 433/7, 9, \*\*\*24\*\*\* , 215

4,592,725 Jun. 3, 1986 Orthodontic palatal arch bar and method of using same Robert A. Goshgarian 433/7, \*\*\*24\*\*\*

4,551,096 Nov. 5, 1985 Orthodontic apparatus and method for treating malocclusion Eugene L. Dellinger \*\*\*433/24\*\*\*

4,526,540 Jul. 2, 1985 Orthodontic apparatus and method for treating malocclusion Eugene L. Dellinger \*\*\*433/24\*\*\* , 6

4,360,341 Nov. 23, 1982 Orthodontic method for treating malocclusion Eugene L. Dellinger \*\*\*433/24\*\*\* , 3

4,284,405 Aug. 18, 1981 Orthodontic appliance method of treatment and manufacture Eugene L. Dellinger \*\*\*433/24\*\*\* , 3, 8, 9

4,187,610 Feb. 12, 1980 Impacted tooth ligation chain Thomas F. Ziegler \*\*\*433/24\*\*\* , 18

4,183,141 Jan. 15, 1980 Method and apparatus for treating malocclusion Eugene L. Dellinger, et al. 433/3, \*\*\*24\*\*\*

4,160,322 Jul. 10, 1979 Method of constructing an orthodontic appliance Paul D. Frazier \*\*\*433/24\*\*\*

3,983,628 Oct. 5, 1976 Dental articulator, new bite registration guide, and diagnostic procedure associated with stereodont orthodontic study model Raul Acevedo \*\*\*433/24\*\*\* , 3

3,967,379 Jul. 6, 1976 Preformed anterior labial retainer Earl O. Bergersen 433/6, \*\*\*24\*\*\*

3,861,042 Jan. 21, 1975 ORTHODONTIC ARCH WIRE AND METHOD OF FORMING THE SAME Melvin Wallshein \*\*\*433/24\*\*\* , 20, 21

((433/20 /cor) OR (433/20 /cyr)) and (intermediate OR stages OR increment?)

5,722,827	Mar. 3, 1998	Torqued titanium-based archwire	Timothy J. Allesee, et al.	
***433/20***				
5,588,833	Dec. 31, 1996	System of treatment for use in functional orthodontics	Georg	
Risse 433/24, 8,	***20***			
5,456,599	Oct. 10, 1995	Orthodontic arch wires and brackets	G. Herbert Hanson	
433/8, ***20***				
5,454,716	Oct. 3, 1995	Aesthetic orthodontic arch wire	Satyajit Banerjee, et al.	
***433/20***				
5,399,088	Mar. 21, 1995	Orthodontic wire and method for the moving of teeth	Michael E.	
Mechley ***433/20*** , 24				
5,399,087	Mar. 21, 1995	Ni-Ti orthodontic palatal expansion arch with cast lingual sheath and insert	Wendell V. Arndt	433/7, 17, ***20***
5,344,315	Sep. 6, 1994	Multi-strand orthodontic arch wires and methods for use thereof	G. Herbert Hanson	***433/20*** , 24
5,295,886	Mar. 22, 1994	Orthodontic archwire shaping method and archwire-segment forming templates	Alexander J. Wildman	433/24, ***20*** , 75
5,238,404	Aug. 24, 1993	Orthodontic brace for positioning teeth	Craig A. Andreiko	
***433/20***				
5,224,858	Jul. 6, 1993	Orthodontic brackets and arch wires for use in combination therewith	G. Herbert Hanson	433/10, ***20***
5,174,753	Dec. 29, 1992	Orthodontic arch wire having a non-symmetrical trapezoidal cross-section	Arthur L. Wool	433/8, ***20***
5,102,333	Apr. 7, 1992	Orthodontic process for straightening teeth	Yuichi Suzuki, et al.	
433/24, ***20***				
5,080,584	Jan. 14, 1992	Method for forming nickel/titanium braided arch wires	Roger J.	
Karabin ***433/20***				
5,035,614	Jul. 30, 1991	Intruding and torquing auxiliary	Raphael L. Greenfield	433/21, 18, ***20***
4,976,614	Dec. 11, 1990	Removable orthodontic appliance	Harry W. Tepper	433/18, 6, ***20*** , 21
4,818,226	Apr. 4, 1989	Orthodontic archwire	Carl J. Berendt, et al.	***433/20***
4,659,310	Apr. 21, 1987	Orthodontic archwire	William J. Kottemann	***433/20***
4,585,414	Apr. 29, 1986	Orthodontic arch wire	William J. Kottemann	***433/20***
4,571,179	Feb. 18, 1986	Orthodontic appliance	Jack W. Balenseifen	***433/20*** , 22
4,479,779	Oct. 30, 1984	Orthodontic arch wire	Arthur L. Wool	***433/20***
4,424,033	Jan. 3, 1984	Orthodontic appliance	Arthur L. Wool	***433/20***
4,412,819	Nov. 1, 1983	Orthodontic arch wire	James L. Cannon	***433/20***
4,386,909	Jun. 7, 1983	Orthodontic arch wires	Gustaf H. Hanson	***433/20***
4,097,993	Jul. 4, 1978	Orthodontic arch wire	Lawrence F. Andrews	***433/20***
3,997,970	Dec. 21, 1976	Orthodontic occlusion-improving appliance	Edward W. Hodgson	
433/19, ***20*** , 21				
3,987,547	Oct. 26, 1976	Orthodontic appliance and method of orthodontic treatment	Dan	
Moss 433/11, 18, ***20***				
3,861,042	Jan. 21, 1975	ORTHODONTIC ARCH WIRE AND METHOD OF FORMING THE		***20*** , 21
SAME Melvin Wallshein	433/24,			
3,838,515	Oct. 1, 1974	ORTHODONTIC ARCH-WIRE CABLE	Edward C. Paugh, et al.	
***433/20***				
3,775,850	Dec. 4, 1973	ORTHODONTIC APPARATUS	Michael E. Northcutt	433/16, 9, ***20*** , 22
3,600,808	Aug. 24, 1971	ANTERIOR ROOT-TORQUING AUXILIARY WIRE	James	
Jackson Reeve	433/21, ***20***			

((433/20 /cor) OR (433/20 /cxr)) and (different(3w)archwires)

5,017,133

May 21, 1991

Orthodontic archwire

Fujio Miura

\*\*\*433/20\*\*\*